



# Carbon and Forest Management Work Group

Meeting 1: November 8, 2023 | 9:00 am – 12:00 pm

## Meeting Summary and Notes

### Meeting Overview

The first meeting of the Washington Department of Natural Resources (DNR) Carbon and Forest Management Work Group took place on Wednesday, November 8<sup>th</sup> from 9 am – 12 pm, via Zoom. The purpose of this meeting was to kick off the work group process. Representatives from BluePoint Planning, the firm hired to facilitate the work group in partnership with DNR staff, opened the meeting with an overview of the agenda:

1. Welcome
2. Work Group Member Introductions
3. Overview of DNR, Its Responsibilities and the Background for ([c 474 §3130 3a](#))
4. The Draft Work Group Charter and Proposed Process
5. Developing a Framework for Management Alternatives for Western Washington Forests
6. Summary and Next Steps

Each work group member provided a self-introduction to the group. Duane Emmons, Assistant Deputy Supervisor for State Uplands at DNR, then gave an overview of the agency and the background for the budget proviso that established the work group. Work group members asked clarifying questions and provided comments (contained in the raw notes section of this summary).

Work group members reviewed the draft work group charter and provided input on the charter and decision-making process that will be incorporated into the second draft. BluePoint Planning also used an online polling tool called Mentimeter to obtain feedback on the best days and times for future meetings.

After a short break, BluePoint Planning facilitated a discussion with work group members on considerations for the budget proviso goals. During this discussion, work group members were asked to add comments to a digital whiteboard regarding the definition and intent of the goals.

After a review of the next steps, BluePoint closed the meeting. All meeting materials, including the presentations and recording, are posted on the DNR Carbon and Forest Management [Work Group website](#).

### Attendees

#### Work Group Members

- Matt Comisky, American Forest Resources Council
- Heidi Eisenhour, Jefferson County
- Russ Pfeiffer-Hoyt, Washington State School Directors Association
- Randy Johnson, Clallam County
- Hannah Jones, Firelands Workers United
- Ed Murphy, Sierra Pacific Industries
- Bryan Pelach, Washington Conservation Action
- Jason Spadaro, Washington Forest Protection Association
- Paula Swedeen, Conservation Northwest
- John Talberth, Center for Sustainable Economy
- Pat Tonasket, Confederated Tribes of the Colville Reservation
- Steve Hinton (Alternate for Ryan Miller), The Tulalip Tribes





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#### Washington DNR Staff

- Cathy Chauvin
- Cameron Crump
- Daniel Donato
- Duane Emmons
- Jason Emsley
- Csenka Favorini-Csorba
- Glynis Gordon
- Joshua Halofsky
- Denise Roush-Livingston
- Justin Schmal
- Bill Wells
- Ben Welna

#### BluePoint Planning

- Mindy Craig
- Lauren Schmitt
- Nora Bayley

Work group meetings are public, meaning that members of the public may join the meeting to observe. No public comment is allowed. Fourteen members of the public attended the first work group meeting.

#### Key Feedback

- Work group members asked a number of clarification and scope-of-effort questions during the meeting, especially during the presentation. While some questions were addressed in the meeting, DNR staff will provide written responses to work group member questions raised during the meeting. The written responses will be posted to the Carbon and Forest Management Work Group website and will supersede any verbal responses provided during the meeting.
- Work group members requested revisions to the draft work group charter, to incorporate feedback on:
  - Simplifying lines of communication with work group members, particularly related to meeting invites and details;
  - Refining the definitions of quorum and majority;
  - Developing a process for acknowledging and incorporating minority opinions when a majority of the work group cannot reach consensus or endorsement;
  - Ensuring that the process and final report incorporate the range of perspectives and viewpoints represented by individual work group members.
- Work group member feedback indicated that Wednesdays from 9 am to 3 pm are the best time for meetings, followed by Tuesdays.
- Work group members provided considerations for each of the five goals from the budget proviso. The discussion is summarized in the next section.

#### Discussion: Grounding the Budget Proviso Goals

The work group's discussion of the budget proviso goals was captured on the Mural digital whiteboard, pictured in Figure 1. A text version of the board is available as a PDF on the Carbon and Forest Management Work Group [website](#), and is also included at the end of this document. Participants were asked to provide information on overall considerations and questions related to each goal to be further





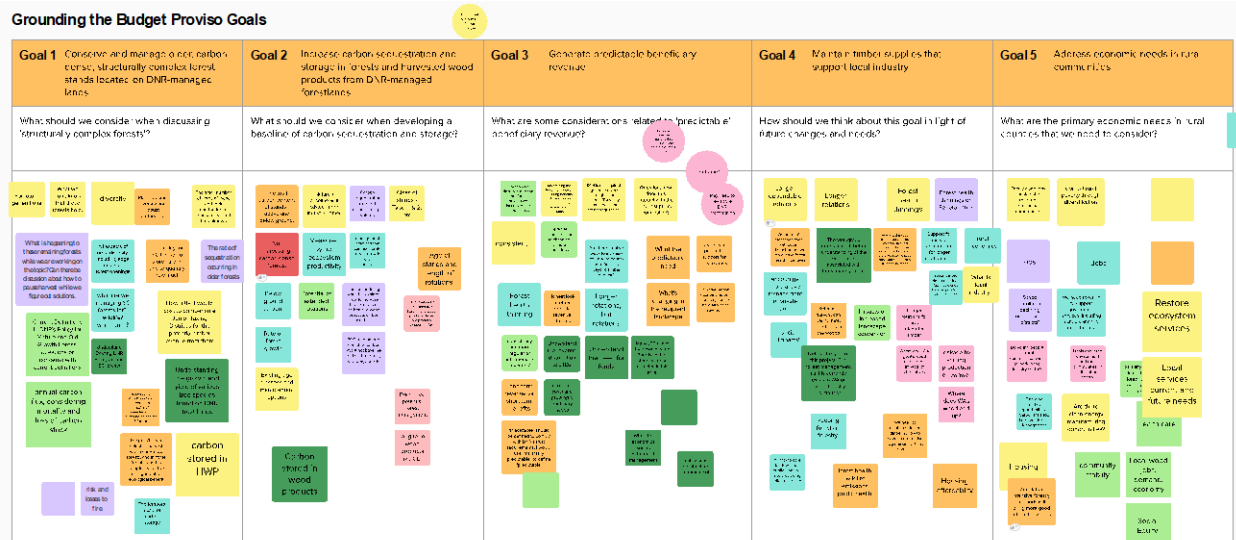
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discussed in future meetings. Following is a high-level summary of the questions and comments for each budget proviso goal.

Figure 1. Meeting #1 Mural Board



**Goal 1 -** Conserve and manage older, carbon-dense, structurally complex forest stands located on DNR-managed lands.

*What should we consider when discussing 'structurally complex forests'?*

- Forest Diversity, Sequestration
  - Edge habitats, forest opening, contribution to biodiversity; geographic distribution of older forests; the growth and yield of various tree species.
  - The rate of sequestration occurring in older forests; the ability of structurally complex forests to store carbon and to quantify how much; annual carbon flux, considering mortality and loss of carbon stock.
- DNR Policies, Questions
  - Current definitions in DNR's Policy for mature and old-growth forests; questions or concerns with current definitions; existing DNR Policy around structurally complex forests.
  - What is happening to these remaining forests while we are working on the topic? What are we managing structurally complex forests for? Wildlife? Which ones?

**Goal 2 -** Increase carbon sequestration and storage in forests and harvested wood products from DNR-managed forestlands.

*What should we consider when developing a baseline of carbon sequestration and storage?*

- Carbon storage, forest growth





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- The total carbon content of stands - above and below ground; carbon sequestration rate and carbon storage volume, developing baseline.
- Rate of forest growth, management practices to accelerate growth and sequestration.
- Existing age classes and management options; age of stands and length of rotations.
- Forest management options
  - The potential of extended rotations; existing vs. potential forest management.

#### **Goal 3** - Generate predictable beneficiary revenue.

*What are some considerations related to 'predictable' beneficiary revenue?*

- Consistent Revenue
  - Revenue streams resilient to changing climate conditions; understand the need for funds, revenue distribution, and timeline.
  - Maintaining the trust in perpetuity, ensuring benefits will be available and equitable for generations to come; long-term revenue vs. short-term benefits.
- Demand on forests
  - What is the predictable need; how can we decrease demand for our forests? Understanding increasing costs and growing beneficiary needs.
  - Longer rotations, but rotations; diversity in products, support for mills to adjust.
- Stakeholder interest
  - What's changing in the recipient landscape? How do we consider stakeholder input from those who are not represented in this group (such as junior taxing districts)?

#### **Goal 4** - Maintain timber supplies that support local industry.

*How should we think about this goal in light of future changes and needs?*

- Forest Health
  - Longer dependable rotations for larger diameter timber; forest health thinning on Federal lands.
  - Forest health incentives related to mill infrastructure; impacted by wildfire emissions, public health.
- Local Industry
  - Defining local industry and rural economics; impacts of leakage by shifting production elsewhere.
  - Active management of private lands; impacts on other landowners if public lands are not providing reliable supplies.
- Economy



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- Economics of forest management, how it relates to jobs, housing affordability, and social impacts; sufficient timber supply to have a competitive log market.
- Forestry
  - Define the goal of this project. End forest management as it currently exists in Washington or ensure forestry continues?
- Questions
  - How is technology change/automation projected to affect employment in the mill sector in the future? Are there ways to increase employment per unit of timber harvested?
  - Where does Washington's wood end up? Where does Washington get its wood?

**Goal 5** - Address economic needs in rural communities.

*What are the primary economic needs in rural counties that we need to consider?*

- Community Stability
  - Family wage jobs – sustain resource-producing communities and economies.
  - Diversification and reliability to keep residents in their homes and support government services.
- Market Opportunities
  - Emerging market opportunities - carbon markets, improved forest management, clean energy manufacturing.

### Sideboards

*What other information do you need to discuss sideboards? Do you have any relevant information (studies, papers) that would help others understand this concept?*

- DNR Obligations, Scope
  - Where does this group fit into the broader regulatory and legal framework? Forest Practices Rules, State Trust Lands Habitat Conservation Plan, etc. At what point will DNR assure its legal and fiduciary obligations in this process?
- Future Work Group Meeting Topics
  - Economics: Rural communities, industry, etc.; evolution of the HCP, Solutions Table, etc.; exploration of contracting out the management of state trust lands.
- Data Requests
  - List of studies regarding forest carbon dynamics in the Pacific Northwest and in general that the group can use as a foundation.



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### Raw Notes

These are notes taken live during the meeting to supplement the recording available on the Carbon and Forest Management Work Group website. Questions and comments from the Zoom platform’s chat log are also incorporated.

Work group members asked questions during the meeting, especially during the presentation. As noted above, DNR staff will provide written responses to work group member questions raised during the meeting. The written responses will be posted to the Carbon and Forest Management Work Group website and will supersede any verbal responses provided during the meeting.

### Scheduling

A Mentimeter anonymous poll was held to identify which day of the week works best for future work group meetings. Wednesday received the most votes; the schedule for 2024 meetings will be sent out shortly. Members also voted upon the best time of day for future meetings; the 9 am to 3 pm timeslot received the most votes (Figures 2 and 3).

Figure 2 - Mentimeter Question 1 Results

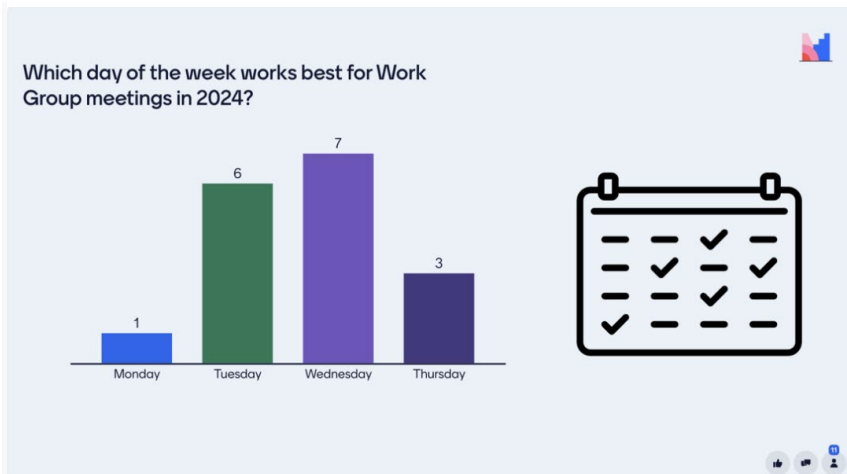
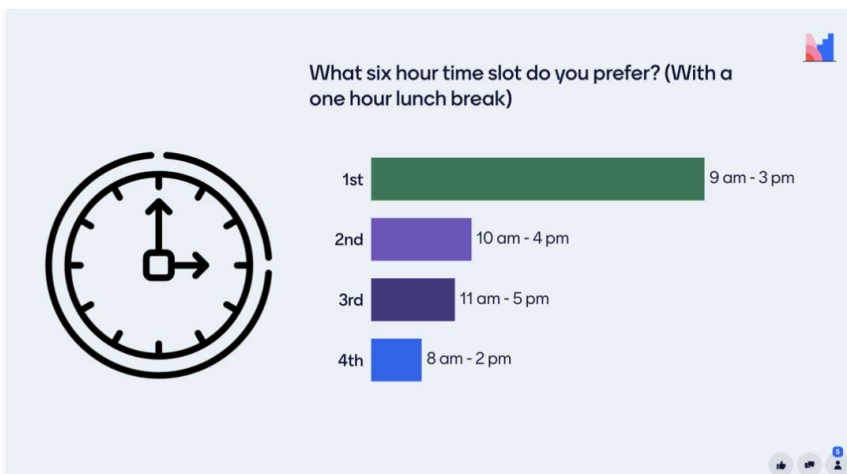


Figure 2 - Mentimeter Question 2 Results





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#### Raw Notes

These notes include verbal and written questions and comments from the Zoom chat log. Comments from the Zoom chat are denoted with (chat) at the beginning of the question.

Responses from DNR staff and BluePoint Planning staff to questions and comments are listed as a sub-item under each bullet point.

1. Work Group Member Introductions
  - a. Mentimeter- people didn't know where the code was, had to send it via DM (direct Message)
  - b. How to make emails more efficient?
    - i. People get multiple emails, hard to track down the Zoom link through Eventbrite, Emails from CFM (Carbon and Forest Management Work Group) BPP (BluePoint Planning) went to junk emails
2. Overview of DNR, Its Responsibilities and the Background for ([c 474 §3130 3a](#))
  - (chat) In terms of context - it would be helpful to see where DNR fits in terms of the percentage of state timber volume - and how much timber is exported as a percentage of timber volume. Maybe we're going to get there...
    - Percentage of timber harvest volume from state trust lands by year can be found here: <https://www.dnr.wa.gov/TimberHarvestReports>
  - (chat) Timber harvest reports since 2017? The link above only has reports through 2017
    - Unfortunately, DNR ceased creating those reports in 2017. The University of Montana is going to be publishing more recent reports but has yet to publish any more recent than the 2017 report. [http://www.bber.umt.edu/fir/S\\_WA.asp](http://www.bber.umt.edu/fir/S_WA.asp)
  - (chat) Maybe I misheard Duane, but did he say that thinning within Special Habitat Areas (SHAs) is allowed under the MMLTCS (Marbled Murrelet Long-term Conservation Strategy)?
  - (chat) Duane, could you talk more about the types of management that can be done in DNR's "ecological emphasis" to maintain forest health and fire resiliency and (in this conversation's context) attempt to avoid carbon stocks from being lost to mortality and fire?
  - (chat) Do you think legislative authority would be needed to establish a system of forest carbon reserves to protect all remaining high-value carbon stocks (mature forests) from logging and roads?
  - (chat) In terms of the economics of a harvest-to-county funding run, can you provide a sample budget? How much \$ does the county actually receive at the end?
  - (chat) **(from public)** Just a placeholder thought from the listening audience: Short explanation as to why Grays Harbor's county timber lands are not under the same State Forest Transfer Trust. Second: How are the distribution levels determined for the JTDs (junior taxing districts), the percentage of the county distribution from SFTT (State Forest Transfer) sales; and can those levels be changed?
3. Proviso presentation
  - (chat) Duane - does the work group have a say in who you choose to conduct the carbon accounting work?





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- (chat) My understanding is that procurement is still open – the proposal deadline has not yet arrived. DNR staff can provide info about the proposal review process as listed in the procurement.
- (chat) It would be helpful to have links to the RFPs (request for proposal)
- (chat) It would be helpful to have a link to the solicitation
  - (chat) The RFPs are posted on a state procurement site called WEBS: <https://pr-webs-vendor.des.wa.gov/>. You must register as a vendor to access the system
- (chat) FYI This link is password protected.
- Could provide copies of the RFPs without registering?
  - Yes, can send it to WG (work group) members
- (chat) Here is a link to the carbon quantification RFP <https://app.box.com/s/tp4y7ngc1ohi597npckixp1abizqbe04>
- Scope of work up for tweaking?
  - Yes, but only slightly, otherwise have to start over.
  - (chat) As Csenka mentioned, the selected contractors will be required to share their proposed analysis methodologies with the workgroup and consider workgroup feedback in refining those methods
- (chat) Could WG members view and comment on RFPs before they are posted?
  - The RFPs have already been posted. As it takes time to get a contractor on board, we had to move quickly
    - Have to follow the state's procurement rules for the RFPs. Responses to RFPs are due in end of Nov. 2023. Hadn't anticipated involving WG members in the selection of the contractors. Can talk to staff to see if that is something WG members can be involved in.
    - Pre-mature, until the charter is adopted. Might have some significant conflict of interest questions.
    - Once the contract is finalized, the WG will help inform how they work with the contractors.
- Not limited to the IPCC (Intergovernmental Panel on Climate Change), papers that call out the gaps – proviso says 'and emerging science'
- (chat) Proviso says 'and emerging science' not just IPCC
- (chat) Duane, can we ensure that the contractor will follow the proviso rather than how you all phrased the language in the RFP?
  - Thanks, and yes, we'll be refining the actual contract as we select the final contractor so we'll be able to ensure that language is included.
- (chat) How is wood supply different than carbon storage in wood harvested?
  - Carbon accounting information will then be provided to the wood supply contractor. Need outputs from carbon contractor to provide info to the other.
- (chat) Re: Step 3 - It seems that - 'in the forest' needs to include downed timber, soils, etc not just standing timber. Right?
  - Going to look at all carbon being sequestered, not just standing
- (chat) Duane, since the wood basket is larger than just Washington, how will demand to regions outside of Washington state be handled?
  - This is a question for the contractors
- (chat) Financial impacts should include trust revenue impacts over time.





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- (chat) **(from public)** Placeholder only, suggested public outreach aspect of the work being done: Explain the Wood Basket concept.
  - (chat) Does the 'wood basket' include exports?
    - This is a question for the contractors
    - (chat) Per the 1990 "Forest Resources Conservation and Shortage Relief Act (FRCSRA)" logs from DNR-managed lands are export restricted. They can be exported out of state in the Domestic U.S., but must be processed before international export.
  - (chat) But the wood supply issue is broader than DNR lands. It seems relevant to look at overall unprocessed log exports as we consider supply to WA state mills.
  - (chat) And do we have any sense how much processed DNR timber is exported?
  - (chat) Logs from DNR lands cannot be exported.
    - (chat) Exports of timber into and out of WA and timber supply from other timber land owners are both part of the scope of work for our 'Wood Basket' contractor
  - (chat) This may be a good presentation topic for this group to hear
  - (chat) Project timeline? Do we really have until late 2025 to finish our work?
    - Yes, do have until late 2025, to get reports to the Legislature, have to work far in advance. Information might need to be finalized earlier, 3-4 months earlier
4. The Draft Work Group Charter and Proposed Process
- (chat) "In the event a member cannot make one of these meetings, they may select someone from their organization to attend the meeting in their place and collect information on that member's behalf."
  - (chat) Does an alternate have a vote, or are they only allowed to collect information?
    - Alternate does have a vote – the seat has the vote.
    - WG picks/designates their own alternate, whoever would represent their opinion/perspective best. Wouldn't have an intern come in, want someone who can participate and engage and reflect WG members' capabilities.
  - (chat) How do we deal with technical issues? I.e. We establish a quorum and then experience connectivity issues for some percent of members.
    - A quorum would be at the time of the vote. Need to have a quorum at a vote, not just at the beginning of the meeting
  - (chat) So how will the viewpoint of someone who is in the "Block" position on the scale be captured?
    - Could have minority opinion report
  - (chat) How will we ensure that WG recommendations comply with DNR's legal obligations? Will DNR have a veto?
    - Will also be the overarching department report that submits all of the WG's recommendations/minority reports. Would note if certain things can/can't happen based on certain legal obligations,
    - DNR staff will be actively participating and can share if certain ideas fit within statutory requirements.
    - Yes, I do not disagree that some recommendations may require legislation. But we and especially DNR should know the starting point with legality.



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- (chat) RFP says: Use established, peer-reviewed methodologies consistent with the most current IPCC guidance to estimate the potential increases or decreases in carbon sequestration and storage. Proviso says: Carbon accounting and quantification methodologies outlined by the intergovernmental panel on climate change as well as emerging scientific research. RFP should be made consistent.
- Don't like gradients of agreement/quorum. What does quorum mean, vs endorsement? Would recommend considering endorsement. Strict consensus makes it simpler, that 'the group cannot come to a consensus', endorsement must be higher than that. Willing to let the group's opinion go forward.
  - If sticking with quorum/G of A (Gradients of Agreement), the group, regardless of quorum, if any member are in 'block' / formal disagreement, then can't go forward with the WG's recommendation. Stand aside is the point at which you reach endorsement.
- (chat) There is a difference between 'quorum' and 'majority vote.'
  - Quorum will be one-half of the Work Group members plus one. Majority will be one-half of the meeting attendees plus one.
- The three rightmost positions are confusing. Part of another group that uses 'sufficient consensus' that the group came up with rules that say if three/a certain number of people disagree, the decision doesn't go forward, must table or go through further with discussion.
- If two members say can't live with it, doesn't reach the threshold for blocking sufficient consensus, the people who don't agree allow the decision to go forward even though they don't agree. Doesn't allow one party to block everything.
  - Sufficient consensus captures what we were trying to get at.
- I am concerned with above process – if assuming peer intent that each seat represents specific viewpoints, if we move to quorum or modified consensus, need to find a way to capture the opinions of those not on board with the majority. Could be easy to leave out viewpoints, especially as how small the WG is. Wondering how the group can come together and be cohesive.
  - There needs to be a way to capture diverging views. 100% consensus might not be the answer, but need to note out disagree-ers
- Open to Minority reports, would be more comfortable with that. Don't want to give too much weight to something that is 'endorsed' but only by 7 people.
- In the TLT (Trust Land Transfer) work group we did thumbs up, sideways, down. If a thumb / thumbs were down we had much more discussion about whatever the issue was and most times the proposal was modified / clarified the thumb down would become sideways which was essentially 'stand aside'. Maybe this system is too simple but it worked recently for a number of us. Just a thought.
- (chat) Should we consider minority reports?
- Charge as a group is based on what the legislature wants from us. Ability to make recommendations based on whether its consensus or majority is based on the legislature having established WG seats. Recommendations could be picked and chosen by the legislature. Having the ability to have majority and minority reports, trying to get to a consensus when we can.



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- (chat) Duane, will the Department have its AAG (attorney general) representatives review any recommendations for consistency with State Law and the State Constitution? Essentially, what was just said.
  - (chat) Yes, I do not disagree that some recommendations may require legislation. But we and especially DNR should know the starting point with legality.
  - (chat) There may be recommendations that we all agree have mutual benefits that require new legislative authority.
  - Don't want to overlook dissenting opinions, should note what level of consensus/endorsement for recommendations.
  - Question about charter – charter should end at 'background' rest of the charter is how the WG works, doesn't have anything to do with how the WG works. Still need to document that but the charter shouldn't include that.
  - Right now worded that WG is collaborating, but need to add 'make recommendations'
  - In background section – generating predictable beneficiary revenue is weak, need to find words that better capture DNR revenue.
    - **Feedback – helpful feedback, figuring out how to represent differing viewpoints. Can write up a procedure for this. And vote next time.**
5. Developing a Framework for Management Alternatives for Western Washington Forests
- Timeframe? Would be helpful to have DNR to respond to questions, need to have a repeat of the first presentation, and develop understanding. How to capture other beneficiaries/stakeholders that are not a part of the WG?
  - Sideboards
    - Anything proposed has to comply with state and federal law. Could propose ideas but then note how the DNR could achieve that – do they need to change the constitution?
    - Income diversification – can think about things that might not be for the DNR to do. Might be recommendations that are directed at county governments, or legislature to support county services. Would address DNR limits, find other routes to make sure recommendations are possible, maybe someone else can accomplish them
    - Sideboards – things that aren't under the goals, topics to learn more about, other things to consider.
    - Management alternatives – models are based on assumptions. Sideboards are for setting assumptions
    - Information – would be available on the website, to the WG and others/public.
    - Add link to just view into the chat for the members of the public
6. Summary and Next Steps
- Eventbrite, emails
    - [cfmworkgroup@gmail.com](mailto:cfmworkgroup@gmail.com)
      - If we send out the calendar link, is that accessible? Do people have issues with google calendar?
        - No issues
    - Ask that people respond to the calendar invite, to determine the invite



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- Request – send out one email with all links, materials, etc.
- Charter – will refine and send out to the group, ask for comments
- Dec 1 report? Does WG have input into that report?
  - First report was saying 'here is the work group and here are the members'
  - December 1 deadline was a mistake in statute, but has to go through DNR processes before submitting. No time for WG members to add comments.
- (chat) I would encourage DNR to stay the course of the short report. This group is nowhere near a point to provide substantive input.
- Helpful to get the schedule out as soon as possible



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#### Mural Board Questions and Comments

##### Goal 1

Conserve and manage older, carbon-dense, structurally complex forest stands located on DNR-managed lands.

*What should we consider when discussing 'structurally complex forests'?*

- For future generations
- What we don't know that these forests hold.
- Diversity
- Plant species, diversity, and robust understory
- The small number of acres of these and their contribution to biodiversity – and the unknown
- What is happening to these remaining forests while we are working on the topic? Can there be discussion about how to pause harvest while we figure out solutions.
- All aspects of forest diversity, including edge habitats and forest opening
- The ability for SC (structurally complex) forests to store carbon and to quantify how much
- The rate of sequestration occurring in older forests
- What are we managing SC forests for? wildlife? which ones?
- How little it would cost to compensate Junior Taxing Districts for the potential timber revenue from them.
- Current Definitions in DNR's Policy for Mature and Old Growth Forests, questions or concerns with current definitions
- Understand Existing DNR Policy around SC forests
- Understanding the growth and yield of various tree species found on DNR trust lands
- Geographic distribution of older forests and proximity/ connectivity with surrounding habitat & forests
- Annual carbon flux, considering mortality and loss of carbon stock
- The possibility of selective harvest within current SC forests, and in other forests to aid in complexity - active management for ecological benefit
- Carbon stored in HWP (harvested wood products)
- Risk and losses to fire
- The temporal scale of carbon storage

##### Goal 2

Increase carbon sequestration and storage in forests and harvested wood products from DNR-managed forestlands.

*What should we consider when developing a baseline of carbon sequestration and storage?*





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- The total carbon content of stands - above and below ground.
- Not harvesting carbon-dense forests.
- Below ground carbon
- Rate of forest growth
- Existing age classes and management options
- Nature's baseline as it existed in pre-industrial times
- Measured by net ecosystem productivity
- Potential of extended rotations
- Carbon sequestration rate and carbon storage volume
- Management practices that can accelerate forest growth and sequestration
- Class of stands - Type 1 & 2, etc
- Carbon stored in wood products
- Look at modeling work that explores how to increase total ecosystem carbon and wood products carbon over time.
- IPCC recommends complete carbon cycle not baseline only in the forest, or storage offsite
- Ensure that carbon emissions from harvest and wood products decay are properly accounted for.
- Existing vs. potential forest management
- Long-term wood products like CLT (cross-laminated timber)
- Age of stands and length of rotations

### Goal 3

Generate predictable beneficiary revenue.

*What are some considerations related to 'predictable' beneficiary revenue?*

- How can we decrease demand on our forests - how do we incentivize the need for less
- Consistent
- Forest health thinning
- Consistency and more regular or intermediate revenues
- Long term revenue vs. short term benefits
- "Predictable" should be defined to comply with DNR's trust requirements. I would use 'maximally predictable' to define 'predictable.'
- Maintaining the trust in perpetuity, ensuring benefits will be available and equitable for generations to come.





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- Revenue streams resilient to changing climate conditions
- Honest look at other potential revenue streams
- Understand the revenue distribution to JTDs (junior taxing districts)
- Increasing costs and growing beneficiary needs
- DNR is not required to generate revenue through timber harvest. They may elect to do so, but are not required to.
- Are there creative ways to increase revenue to county beneficiaries beyond timber harvest?
- Longer rotations, but rotations
- Understand the need for funds
- Question: how does this interact with the recent Supreme Court ruling?
- What the predictable need
- What's changing in the recipient landscape
- Many JTDs have their own elected Boards so their interests are not reflected in this group.
- Timeframe?
- May need to revisit the DNR presentation
- Diversity in products, support for mills to adjust
- In a free market economy no one industry should be guaranteed revenues
- What the economics associated with forest management
- How do we consider Stakeholders input who are not presented in this group.
- Stability of mill infrastructure, importance of

#### Goal 4

Maintain timber supplies that support local industry.

*How should we think about this goal in light of future changes and needs?*

- Longer dependable rotations
- We need mills more than ever.... without mill infrastructure we don't have forest health incentives
- Encourage more active management of private lands
- Social impacts
- Longer rotations
- The workgroup needs a much better understanding of the economics associated with forest management.
- Forest health thinning







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- How is technology change/automation projected to affect employment in the mill sector in the future? Are there ways to increase employment per unit of timber harvested?
- Forest health thinnings on Federal lands
- Selective harvest can lead to more good jobs in the woods
- Define the goal of this project. End forest management as it is currently exists in WA or ensure forestry continues?
- Keeping forests in forestry
- Impacts of increased landscape conversion
- Longer rotations for large diameter timber
- Where does WA get its wood and carbon impacts of alternatives
- We need to maintain sufficient timber supply to have a competitive log market for trust revenue.
- Leakage by shifting production elsewhere
- Where does WA's wood end up?
- Housing affordability
- Impacts to other landowners if public lands are not providing reliable supplies
- Forest health, wildfire emissions, public health
- Support for mills to accommodate for longer rotation trees
- Local industry does not include facilities owned by foreign or Wall Street investors
- Rural economics
- What is local industry?

#### Goal 5

Address economic needs in rural communities.

*What are the primary economic needs in rural counties that we need to consider?*

- Family wage jobs - sustainable resource producing communities
- Jobs
- School enrollment declining, combine school districts?
- Do young people in rural communities want to work in the forestry sector?
- Emerging market opportunities - Carbon markets, Improved Forest Management
- Housing
- More labor-intensive forestry methods will bring more good jobs in the woods
- Combat rural poverty through diversification





## Carbon and Forest Management Work Group

Meeting 1: November 8, 2023 | 9:00 am – 12:00 pm

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### Meeting Summary and Notes

- Jobs
- We need revenue to support government services, including schools and fire departments.
- Is this about the environment and rural communities or is this about control
- Are there clean energy manufacturing opportunities?
- Community stability
- Restore ecosystem services
- Stability and diversity to keep rural residents in their homes
- Local services current and future needs
- Impacts to other landowners if public lands are not providing reliable supplies
- Health care
- Local wood jobs, demand, economy
- Social equity

#### Sideboards

*What other information do you need to discuss sideboards?*

*Do you have any relevant information (studies, papers) that would help others understand this concept?*

- If outside of DNR regulatory charge - needs to have a practical approach to doing so.
- Economics: Rural Communities, Industry, etc.
- There may be recommendations that are directed at others in WA not necessarily DNR
- Where does this group fit into the broader regulatory and legal framework? Forest Practices Rules, State Lands HCP (Habitat Conservation Plan), etc
- It would be helpful for the group to have a history lesson in this issue. The evolution of the HCP, Solutions Table, etc.
- At what point will DNR assure its legal and fiduciary obligations in this process
- WG (work group) access to sources, data, studies referenced in any relevant work (RFP's, presentations, etc.)
- This one doesn't fit well in other categories. I would like to see an exploration of contracting out the management of state trust lands as proposed by the Deloitte report
- Investigate innovative forest work methods where workers in the woods perform multiple services to help manage forests for multiple functions - workforce development in these methods
- Trust Land Performance Assessment - On website
- List of studies regarding forest carbon dynamics in the Pacific Northwest and in general that the group can use as a foundation.